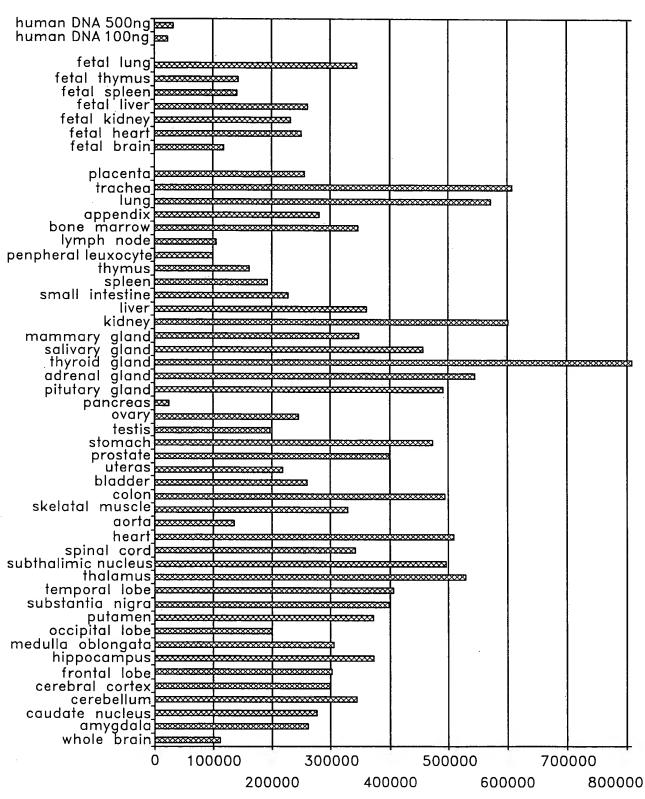
JUN 1 3 TOTAL TRADERANCE

PEROXISOME-ASSOCIATED POLYPEP'INDE

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B18 mRNA (arbitrary units)

FIG. 1



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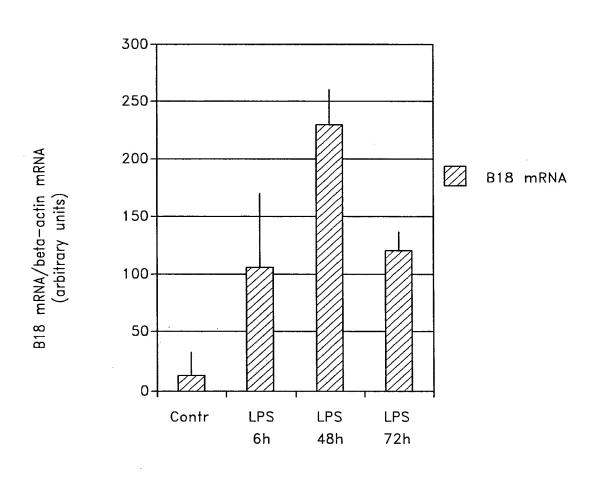
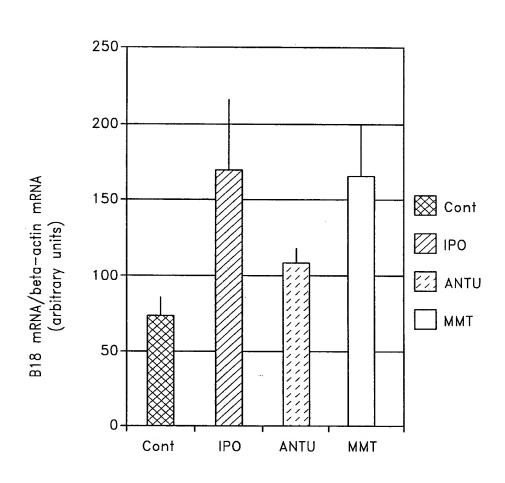


FIG. 2



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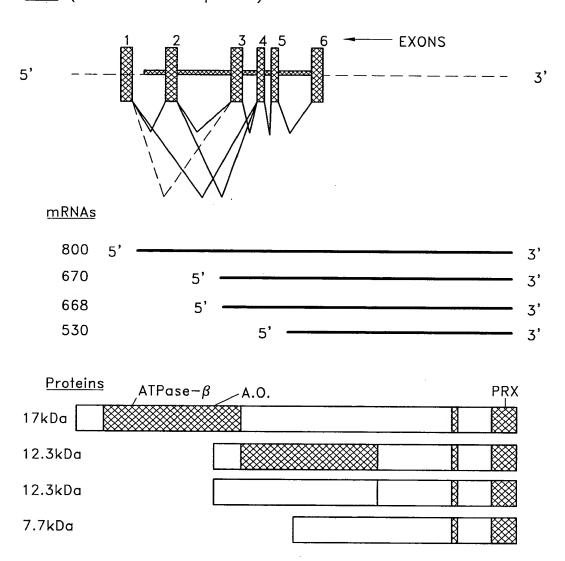


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Gene (chromosome 11q12-13)



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CLUSTAL V alignment of human and rat B18 amino acid sequences (Identity: 908, Homology: 97.5%): B18hum MAPIKVGDAIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSK = SEOIDNO1 B18rat MAPIKVGDTIPSVEVFEGEPGKKVNLAELFKDKKGVLFGVPGAFTPGCSK ******* ** ****** ****** ****** B18hum THLPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLLAD B18rat THLPGFVEQAGALKAKGAQVVACLSVNDVFVTAEWGRAHQAEGKVQLLAD ******* ***** ****** *** *** *** B18hum PTGAFGKETDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGL B18rat PTGAFGKETDLLLDDSLVSLFGNRRLKRFSMVIDKGVVKALNVEPDGTGL ***************** B18hum TCSLAPNIISOL B18rat TCSLAPNILSOL ***** CLUSTAL V alignment of human and mouse B18 amino acid sequences (Identity: 91%, Homology: 96%) B18hum MAPIKVGDAIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSK B18mouse MAPIKVGDAIPSVEVFEGEPGKKVNLAELFKGKKGVLFGVPGAFTPGCSK ******** B18hum THLPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLLAD B18mouse THLPGFVEQAGALKAKGAQVVACLSVNDVFVIEEWGRAHQAEGKVRLLAD ******* ***** ****** ** ** ***** B18hum PTGAFGKETDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGL B18mouse PTGAFGKATDLLLDDSLVSLFGNRRLKRFSMVIDNGIVKALNVEPDGTGL ****** ******* ***** ****** ***** B18hum TCSLAPNIISQL B18mouse TCSLAPNILSQL ***** CLUSTAL V alignment of human and rat cDNA sequences (identity: 612/780,78.5%): B18hum GCCAGGAGGCGGAGTGGAAGTGGCCGTGGGGCGGGTATGGGACTAGCTGG -----CTAGGCAG B18hum CGTGTGCGCCCTGAGACGCTCAGCGGGGCTATATACTCGTCGGTGGGGCCG B18rat CATA---GCC---GGA---TCGGTGCTCCGTGCATCGGCTACTTGGAC-*** ** * * ** B18hum GCGGTCAGTCTGCGGCAGCGGCAGCAGAGACGGTGCAGTGAAGGAGAGTGG B18rat -----GTGCGTGGCAGGCAGGCAGGCCGG---AAAGGAGCAGGTTGG **** * *** ** * **** * * ** **

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B18hum B18rat	GCGTCTGGCGGGGTCCGCAGTTTCAGCAGAGCCGCTGCAGCCATGGCCCC GAGTGTGGTGGGGCCCGCAGCTTCAGCAGTGCCGCGGTGACTATGGCCCC * ** *** *** **** ***** ****** * * *
B18hum B18rat	AATCAAGGTGGGAGATGCCATCCCAGCAGTGGAGGTGTTTGAAGGGGAGC GATCAAGGTGGGAGACACCATTCCCTCAGTGGAGGTATTTGAAGGGGAAC *****************************
B18hum B18rat	CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGGTGTG CTGGAAAGAAGGTGAACTTGGCAGAGCTGTTCAAGGACAAGAAAGGTGTT * ** ** ******* *****************
B18hum B18rat	CTGTTTGGAGTTCCTGGGGCCTTCACCCCTGGATGTTCCAAGACACACCT TTGTTTGGAGTCCCTGGGGCATTTACACCTGGCTGTTCCAAGACCCATCT *******************************
	GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG GCCTGGGTTTGTGGAGCAAGCCGGAGCTCTGAAGGCCAAGGGAGCACAAG *** ********* ** * * ********** ** * * *
B18hum B18rat	TGGTGGCCTGTCTGAGTGTTAATGATGCCTTTGTGACTGGCGAGTGGGGC TGGTGGCCTGTCTGAGTGTTAATGATGTCTTCGTGACTGCAGAGTGGGGT *****************************
B18hum B18rat	CGAGCCCACAAGGCGGAAGGCAAGGTTCGGCTCCTGGCTGATCCCACTGG CGAGCCCACCAGGCAGAAGGCAAGGTTCAGCTCCTGGCTGACCCCACTGG ***********************************
B18hum B18rat	GGCCTTTGGGAAGGAGACAGACTTATTACTAGATGATTCGCTGGTGTCCA AGCTTTTGGAAAGGAGACAGATTTACTACTAGATGATTCTTTGGTGTCTC ** **** ***************************
B18hum B18rat	TCTTTGGGAATCGACGTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC TCTTTGGGAATCGTCGGCTAAAAAGGTTCTCCATGGTGATAGACAAGGGC *****************************
	ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG GTAGTAAAGGCACTGAACGTGGAGCCGGATGGCACAGGCCTCACCTGCAG **** **** **** ***** ** *************
	CCTGGCACCCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT CCTGGCCCCCAACATCCTCTCACAACTCTGAGGCCCTGA-CCAGAATG ***** **** **** *** ***** ***********
	TCCTCCACCCCTATCTCACCTGCCCAGCCCTGTGCTGG-GGCCCTG TCCTCTGACTCTCCC-ATCTCCTCCACCCAGCTCTGGGCCAAAGGCCCAG *****
B18hum	CATTGGCCAGATTTCTGC TACCTCCTTACCTGAGGGCCACTGGAATGGAA
	AATAAACACTTGTGGTTTGCGGAAAAAAAAAAAAAAAAA

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CLUSTAL V alignment of human and mouse cDNA sequences (identity: 552/675, 81.8%)

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B18hum B18mouse	GCCAGGAGGCGGAGTGGAAGTGGCCGTGGGGCGGGTATGGGACTAGCTGG
B18hum B18mouse	CGTGTGCGCCCTGAGACGCTCAGCGGGCTATATACTCGTCGGTGGGGCCGTGCTCCGTGCATCGACGTGCTTG **** * * * * * * * * * * * * * * * * *
B18hum	GCGGTCAGTCTGCGGCAGCGGCAGCAAGACGGTGCAGTGAAGGAGAGTGG
B18mouse	GCAGGCAGAGCAGGCCGGAAAGAAGCAGGTTGG ** * * * * *
B18hum	GCGTCTGGCGGGGTCCGCAGTTTCAGCAGAGCCGCTGCAGCCATGGCCCC
B18mouse	GAGTGTGGCGGAGCCCGCAGCTTCAGCAGCTCCGCGGTGACCATGGCCCC * ** ***** * ***** * ****** * ********
B18hum	AATCAAGGTGGGAGATGCCATCCCAGCAGTGGAGGTGTTTGAAGGGGAGC
B18mouse	GATCAAGGTGGAGATGCCATTCCCTCAGTGGAGGTATTTGAAGGGGAAC *****************************
B18hum B18mouse	CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGTGTTCGGGAAAGAAGGTGAACTTGGCAGAGCTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGGTGTTCAAGGGCAAGAAAGA
B18hum B18mouse	CTGTTTGGAGTTCCTGGGGCCTTCACCCCTGGATGTTCCAAGACACACCT TTGTTTGGAGTCCCTGGGGCATTTACACCTGGCTGTTCTAAGACCCACCT *******************************
B18hum B18mouse	GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG GCCTGGGTTTGTGGAGCAAGCTGGAGCTCTGAAGGCTAAGGGAGCGCAGG *** ******** **** **** ***** ***** ****
B18hum B18mouse	TGGTGGCCTGTCTGAGTGTTAATGATGCCTTTGTGACTGGCGAGTGGGGC TGGTGGCCTGTCTGAGCGTTAATGACGTCTTTGTGATTGAAGAGTGGGGT ******************
B18hum B18mouse	CGAGCCCACAAGGCGAAGGCAAGGTTCGGCTCCTGGCTGATCCCACTGG CGAGCCCACCAGGCAGAAGGCAAGGTTCGGCTCCTGGCTGACCCCACTGG ***********************************
B18hum B18mouse	GGCCTTTGGGAAGGAGACAGACTTATTACTAGATGATTCGCTGGTGTCCA AGCCTTTGGGAAGGCGACAGACTTATTATTGGATGATTCTTTGGTGTCTC *************************
B18hum B18mouse	TCTTTGGGAATCGACGTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC TCTTTGGGAATCGTCGGCTGAAAAGGTTCTCCATGGTGATAGACAACGGC *****************************
B18hum B18mouse	ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG ATAGTGAAGGCACTGAACGTGGAGCCAGATGGCACAGGCCTCACCTGCAG ***********************************
B18hum B18mouse	CCTGGCACCCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT CCTGGCCCCCAACATCCTCTCCCAACTCTGAGGCCCTGG-CCAGATG ***** *** **** *** *** ************
B18hum B18mouse	TCCTCCACCCTCCCTATCTCACCTGCCCAGCCCTGTGCTGGGGCCCTGC TCCTCTGACTCTCCCATCTCTCCCACCCGGCTCTAGGCC *****
B18hum B18mouse	AATTGGAATGTTGGCCAGATTTCTGCAATAAACACTTGTGGTTTGCGGAAAAAAGGCTCGGTACCTCCTTACTGGGAGC-CACGT ** * * * * * * * * * * * * * * *